

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re A	pplication of:)
	Tomoharu TANAKA, et al.) Group Art Unit: 2824
Serial N	To.: 10/656,139	Examiner: Vu Anh Le
Filed:	September 8, 2003) Atty Dckt No.: 001701.00676
For:	NON-VOLATILE SEMICONDUCTOR MEMORY DEVICE ADAPTED TO STORE A MULTI-VALUED DATA IN A SINGLE MEMORY)) ,)

INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

Sir:

This Information Disclosure Statement is submitted for consideration by the United States Patent and Trademark Office in accordance with the duty of disclosure. The references listed on the PTO/SB/08a form were cited in an European Search Report from a related application. A copy of the European Search Report is also submitted herewith.

Transmitted herewith is:

01 FC:1806	180.00 DA		
09/08/2005 HALI11	00000011	190733	10656139
		[]	English translation of foreign language information
		[]	concise explanation of relevance:
	L J	Conci	se explanation of hon-english language information
	[]	Conci	se explanation of non-English language information
[X]	A cop	y of eac	ch item of information listed on the PTO/SB/08a form
[]	A Bac	kgroun	d Art Information Paper
[X]	A PTO	D/SB/08	Ba form

Attorney Docket No.: 001701.00676

		[] inform	English language version of foreign patent office report citing ation
		[]	English language abstract(s) of foreign patent document(s)
[]	Applie 1449 f	cation Soform was applica	on relies, under 35 U.S.C. §120, on the earlier filing date of U.S. erial No. ****, filed ***. The information identified on the attached PTO s submitted to and/or cited by the Patent and Trademark Office in this tion and, therefore, copies are not required to be provided in this
1.	[]	This Ir	nformation Disclosure Statement is filed before the later of:
		•	three months from the filing date of this national application; three months from the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or the mailing date of a first office action on the merits.
	In acc	ordance	with 37 CFR 1.97(b), no fee is required.
2.	[]		nformation Disclosure Statement is filed <u>after</u> the events noted in aph 1, but <u>before</u> either:
		•	a final action under 37 CFR 1.113, or an action that otherwise closes prosecution, a Notice of Allowance under 37 CFR 1.311.
	In acc	ordance	with 37 CFR 1.97(c), also enclosed is
		[]	a fee under 37 CFR 1.17(p) for \$180.00; or
		[]	a certification as stated below.
3.	[X]	This Ir	nformation Disclosure Statement is filed before payment of the issue

- This Information Disclosure Statement is filed <u>before</u> payment of the issue fee, but <u>after</u> either
 - a final action under 37 CFR 1.113, or an action that otherwise closes prosecution;
 - a Notice of Allowance under 37 CFR 1.311.

In accordance with 37 CFR 1.97(d), also enclosed is:

Attorney Docket No.: 001701.00676

Serial No.: 10/656,139

[X] a certification, as stated below; and

[X] the IDS processing fee set forth in 37 CFR 1.17(p)(1) in the amount of \$180.00.

Certification under 1.97(e)1 or 1.97(e)2

The undersigned states:

[] Each item of Information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement (e1 certification); or

[X] No item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Information Disclosure Statement (e2 certification).

TOTAL FEES: \$180.00

- [X] Please charge Deposit Account No. 19-0733 in the amount of \$180.00
- [] No fee is required.
- [X] Please charge or credit Deposit Account No. 19-0733 for any deficiency or overpayment associated with this Information Disclosure Statement.

A duplicate copy of this sheet is enclosed for accounting purposes.

It is respectfully requested that the Examiner fully consider each item of information, initial the enclosed Form PTO-1449 in the appropriate place to indicate that the information has been considered, and return a copy of the initialed form to the undersigned in accordance with MPEP Section 609.

Respectfully submitted,

BANNER & WITCOFF, LTD. 1001 G Street, N.W., Suite 1100 Washington, D.C. 20001-4597 (202) 824-3000

Dated: September 6, 2005

By: () () ()

Christopher R. Glembocki Registration No. 38,800 - Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Please type a plus sign (+) inside this box (SEP 0 6 12) Under the Paperwork Reduction Acade 995, no persons					PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 065 1-0031 ademark Office: U.S. DEPARTMENT OF COMMERCE on of information unless it contains a valid OMB control number.
Substitute	for form 1449A/PTO		ENT & TRA		Complete if Known
				Application Number	10/656,139
INFO	RMATION D	DISC	LOSURE	Filing Date	September 8, 2003
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Tomoharu TANAKA
				Group Art Unit	2824
	(use as many she	ets as	necessary)	Examiner Name	Vu Anh Le
Sheet	1	of	1	Attorney Docket Number	001701.00676

U.S. PATENT DOCUMENTS								
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where		
		Number K	ind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear		
		5,986,929		SUGIURA, et al.	11/16/1999			
		. 6,411,551		KIM, et al.	06/25/2002			
;								
	,							

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Cite No.1		Foreign Patent D	ocument Kind Co	odo ⁵ (if	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant		
initiais		Office ³	Number⁴	kno		Document	MM-DD-YYYY	Passages or Relevant Figures Appear	Т ₆		
			0 673 037	`A1		OHUCHI, et al.	03/10/1995				
			EP 0 899 74	14 A2		LIN, et al.	03/09/1998	·			
			2 800 50)3		HWAN, et al.	10/31/2000				

Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine,							
Initials *	No.1	journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²				
			1				

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.